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	Application No.	Applicant(s)	
	09/903,916	DUTTA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Van T Trieu	2636	
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPORT OF THE OFFICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPORT OF THE OFFICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPORT OF THE OFFICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPORT OF THE OFFICE OFF	(OR REMAINS) CLOSED in this application other appropriate communication GHTS. This application is subject to and MPEP 1308. on 16 May 2005. aminer. der 35 U.S.C. § 119(a)-(d) or (f). been received. been received in Application No	olication. If not included will be mailed in due course. THIS withdrawal from issue at the initiative withdrawal from issue at the initiative	
International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			
6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftsperso 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.6 each sheet, Replacement sheet(s) should be labeled as such in the	on's Patent Drawing Review (PTO-s Amendment / Comment or in the O	ffice action of	
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Summary Paper No./Mail Date 3), 7. Examiner's Amendm	e	

Page 2

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance: there are no prior arts teaching or suggesting of a sensor for determining a concentration of carbon monoxide in a reducing gas stream as a function of a measured electrical property, the sensor comprising:

a substrate being non-conductive and having at least a first side and a second side;

a first electricity conductive electrode deposited on the first side of the substrate;

a second electricity conductive electrode deposited on the first side of the substrate so as to not contact with the first electrode; and

a sensing material in electrical contact with the first electrode and the second electrode, wherein the sensing material comprising a majority of cuprous chloride (CuCl), and the sensing material capable of selectively adsorbing carbon monoxide from the reducing gas stream, and the sensing material having an electrical property that varies in relation to the adsorbed carbon monoxide on the sensing material.

In another embodiment, the sensor that can selectively detect a concentration of carbon monoxide in a hydrogen-containing gas stream devoid of oxygen, the sensor comprising a sensing material having a lamellar structure, wherein a major of a metal halide, which

Application/Control Number: 09/903,916

Art Unit: 2636

is cuprous chloride, that undergoes a reversible change in at least one electrical

property only when carbon monoxide is present.

Any comments considered necessary by applicant must be submitted no later

Page 3

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from

examiner should be directed to primary examiner Van Trieu whose telephone number

is (571) 272-2972. The examiner can normally be reached on Mon-Fri from 7:00 AM to

3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mr. Jeffery Hofsass can be reached on (571) 272-2981.

Van Trieu

Primary Examiner

Date: 6/30/05